

ABSTRACT

A fluorescent device contains a phosphor adhesive glass composite expressed by $x\text{SiO}_2 \cdot y\text{B}_2\text{O}_3 \cdot a\text{ZnO} \cdot b\text{Al}_2\text{O}_3 \cdot c\text{MgO} \cdot m\text{XO}$, where X is at least one element selected from the group consisting of Ca, Sr and Ba, $5 \leq x \leq 70\text{mol}\%$, $0 \leq y \leq 30\text{mol}\%$, $x+y \geq 20\text{mol}\%$, and $5 \leq m \leq 60\text{mol}\%$.